



Patent [19]

[11] Patent Number: 2001079069
[45] Date of Patent: Mar. 27, 2001

[54] AIR CLEANER

[21] Appl. No.: 11256958 JP11256958 JP

[22] Filed: Sep. 10, 1999
[51] Int. Cl.⁷ A61L00900

[57] ABSTRACT

PROBLEM TO BE SOLVED: To provide an air cleaner wherein cleaning efficiency is improved and manufacturing cost is suppressed and which is miniturized.

SOLUTION: When an electric power source is turned on to light a light source and to operate a fan 9, air around a honeycomb 3 is sucked from the outer periphery side into a casing member 1 through a cell by the action of the fan 9 and is exhausted from a blowing outlet 1a through a through-hole 7a and the fan 9 and a photocatalyst with which the honeycomb 3 is coated is irradiated with a light with wave lengths of 300-400 nm from the light source 5 by turning the light source 5 on to oxidize and decompose pollutants in the air passing through the cell of the honeycomb 3. When concn. of the pollutants in the air is high, the pollutants are temporarily adsorbed on active carbon carried on the surface of the honeycomb 3 and then decomposed.

* * * * *